



Building Department Registered Plan Program

5/16/2016

Purpose

An applicant who intends to apply for permits to build a number of single family structures using the same plans may elect to participate in the City of North Bend Building Department's, "**Registered Plan Program**". This program is intended to improve customer service by simplifying the application process and reducing plan review times. This program is also intended to encourage variations in building design (see "options" listed below) to produce aesthetically pleasing, yet diversified neighborhoods that add to the quality of the City of North Bend as a unique community.

Qualifications

To qualify for the Registered Plan Program, buildings must be three stories or less in height and be less than 5,000 total gross square feet including all decks, porches, garages or other building components as defined in NBMC 15.18.140. Building sites under consideration shall not be located in "sensitive areas" such as near wetlands, steep slopes, or flood hazard areas, without prior approval. Additionally sites must have soil bearing capacities of 1500 psf. or greater (unless otherwise approved by the Building Official).

Program Overview Meeting

A program overview meeting is required to review the procedures and answer any questions the applicant may have. This meeting is scheduled through the Building department. It is mandatory and is required prior to submittal of any Registered Plan Program application.

Initial Submittal Process

The process is initiated through the Permit Center; the applicant will need to submit the following:

- One (1) completed registered plan application with all options identified/listed.
- One (1) completed copy of the "Single Family Submittal Checklist".
- One (1) copy of all documents required as part of "SFR Checklist".
- One (1) copy of the Letter authorizing multiple-use, by the architect and/or engineer, in duplicate.
- One (1) complete set of architectural and structural plans per garage orientation (right and left).
- One (1) original sets of gravity and lateral calculations signed and stamped by a Washington State licensed engineer or architect.

Note: All pertinent structural details including shear wall schedule and hold down/anchor bolt schedule must be accurately incorporated into each plan sheet where applicable.

- If applicable, one copy of the geotechnical report documenting soil bearing, foundation design, drainage, and temporary erosion and sedimentation control.

As the plans are not site specific, they will be reviewed only by the Building department at this time. Plan review fees for all options are required with the application.

Registered plans will be assigned a **registered plan permit number**. The applicant will need to reference this number whenever submitting for future repetitive building permit applications where the same plan type is to be used. This will help facilitate registered plan permit tracking. Plans are reviewed for compliance with the currently adopted editions of the International Residential Code (IRC) and International Building Code (IBC), in addition to the Uniform Plumbing Code (UPC), Washington State Energy Code (WSEC), NFPA 54 National Fuel Gas Code and NFPA 58 Liquefied Petroleum Gas Code, International Fuel Gas Code (IFGC) and International Mechanical Code (IMC) as amended by the State of Washington and the City of North Bend.

Sufficiency Review

Upon submittal of the application packet for the Registered Plan Program, the plans will then be reviewed by the Building department for sufficiency including, but not limited to the following items:

- Structural calculations for gravity analysis. Calculations must include evaluation of shear, bending and deflection. Provide lateral and gravity key plans to identify the location of the structural members in the calculations.
- Structural calculations for lateral design. The analysis must include an evaluation of both wind and seismic force resisting systems. Overturning should be evaluated for each critical wall section. The details must show the complete load path for connections of shear walls from the roof to the foundation. Shear wall schedules must be provided on each plan sheet where specific shear requirements apply. Shear wall schedules need to specify the required top and bottom plate nailing, required blocking, nail size type and spacing, anchor bolt size and spacing, required seismic & lateral tie connectors and spacing (i.e. LTP4, A-35's), wood species and design value of the wall in pounds per lineal foot. Lateral and Seismic connection details must be referenced on each of the roof, floor and foundation plans. All Shear walls must be identified on the appropriate plan sheets to include the location of all hold-downs, straps and other devices necessary to transfer lateral loads.
- Foundation plans to scale. Plans must be fully dimensioned, and coordinated with referenced section call outs. Foundation plans must show anchor bolt schedules, hold-down devices, interior and exterior shear wall requirements, crawlspace access and venting. Referenced foundation detail call outs must clearly identify various foundation conditions such as continuous interior footings, exterior footings, isolated (pad) footings, and retaining walls (including basement walls).
Note: structural retaining walls (including basement walls) over 4 ft. in height must be designed and stamped by a WA State licensed architect or structural engineer. Calculations are required. The architect or engineer must identify the soil types according to the site specific soils report.
- Floor framing plans to scale. Plans must be fully dimensioned and coordinated with referenced section and detail call outs.
- Roof framing plans to scale. Plans must be fully dimensioned, and coordinated with referenced section call outs.
- Floor plans fully dimensioned.
- Building elevations. *Note: Average finish grade elevations and overall building height elevations must be incorporated into the elevation drawings to account for the maximum building height possible. A site inspection may be a condition of permit to verify actual building height.*
- Building and wall sections.
- General architectural and structural notes.
- Stair, deck and guardrail details.
- Pertinent engineering details and plan sheets.
- Geotechnical Design Report (if applicable).

Structural Engineering & Architectural letter of approval

Any plans prepared by an Engineer or Architect in conjunction with a registered permit must be accompanied with a letter of authority from the Engineer and or Architect stating approval to use the engineering and plans on a number of sites. Additionally all calculations must bear the architect or engineer's stamp and signature; a copy or electronic version is also acceptable. All calculations must reflect the current version of adopted codes.

Options allowed

The City encourages and allows variations when utilizing the registered plan program. The following options are permitted at original submittal:

- Garage bays (2-car vs. 3-car)
- Roof system changes that do not alter the header requirements or change the structural load path.
- Projected floor areas not exceeding 50 square feet. (Bump-outs: cantilevered or exterior supported)
- Bay windows (in lieu of door or window, no header or shear wall change).

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- Foundation options (crawl space with post and beam, crawl space with framed walls, slab on grade).
 - Floor systems (two joist systems options permitted, solid sawn members or manufactured I joists).
 - Optional fire place locations.
 - Maximum 3 front entry or porch designs that do not change the main building structural elements, shear walls or header sizes.
 - Optional deck locations.

Field Changes

Inspectors are permitted to accept the following field changes with original signature and wet stamped engineer's or architect's approval:

- Alternate beam designs, foundation modifications, shear wall changes, etc.
- Moving and or adding up to two (2) windows and affected shear walls.

Such field changes may be accepted at the sole discretion of the building inspector. If an inspector is not satisfied with the proposed field change, then the builder will be required to submit a revision for that building permit.

Approval of a revision for a single site does not grant approval for a similar change for other sites with the same registered plan permit number.

All options shall be identified by a number or letter designation. The cover sheet will need to identify a table of contents noting all drawings, building options, all floor area configurations (per individual floor), and a corresponding sheet matrix if multiple options will occur.

New Registered Plans Required

When any of the items listed below are proposed revisions to approved construction drawings a new registered plan review is required, along with a new application and applicable fees.

- Increasing the foot print (changing exterior dimensions) or bump-out additions exceeding 50 square feet.
- Roof systems that change any support below the top plate and or alter the original structural load path.
- Applicant retains new engineer for project, although the plan design remains the same.
- Adding a room or space to an upper floor within an existing roof system, or to a basement expanding into the crawl space.
- Garage: changing entry from front to side.
- Any variations or changes in a floor plan that changes the structural load path or relocates any required shear wall or braced wall panels.

Exception:

- Any changes to the interior foundation, floor system, and interior non-bearing walls or similar that do not pertain to the aforementioned requirements, may be approved by the Building Official as a revision to the already approved registered plan.

Registered Plan Approval/Issuance

Once the registered plan and associated documents are approved (signed) by the Building department, the applicant is to pick up the original approved plan set and documents to digitize them; placing them on a CD. The digitized version (CD), and one set of complete plan documents, are to be turned into the Building department prior to submittal for site specific building permit application. Once the CD is turned into the City, the applicant may apply for building permit applications on individual lots (site specific building permits).

Fees

A plan review fee shall be paid for the initial review and approval of "Registered Plans" at the time of submittal for each model and elevation. When submittal documents are incomplete or changed so as to require additional plan review or when the project involves deferred submittal items, an additional plan review fee shall be charged at the rate shown in the fee resolution established by the City of North Bend. The plan check fee is based on a review of the registered plan and all

proposed options. When a registered plan consists of a number of plan options that can produce any number of similar but different building configurations, the Building Official may charge plan review fees based on each different building configuration. The plan check fee is 65% of the building permit fee. For the issuance of each "Site Specific Building Permit" attached to a registered plan, the City will charge Building Plan Review fees.

Site-Specific Building Permit Application

For site-specific building permit applications the following must be submitted:

- Completed standard building permit application.
- Application MUST reference the base Registered Plan Permit Number, and list all options used on this specific lot.
- Provide two (2) site specific site plans meeting all standard submittal requirements.
- Provide one (1) full set of plans (from approved registered plan permit) that will be stamped as the Site Copy.
- Provide two (2) half-size sets of site-specific elevation drawings.
- Provide an original Geotechnical letter for each lot, if applicable.
- Alterations for non-structural interior architectural design changes may be approved by the building dept. as a revision.

Note: At time of "site specific building permit application" the foundation and elevation views must representing the actual site conditions (11"x17").

Registered Plan Expiration

Whenever revisions are made to the State Building Codes as adopted by the City, a revision or new registered plan application and approval process will be required. Applicants also need to be aware of Land Use Code changes that could affect lot coverage, building heights and setbacks. Building Permits that are issued remain valid for two (2) years from date of issuance per NBMC 15.02.570

Performance

The issuance or granting of a registered permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of NBMC Title 15.02 or of any other ordinance of the City of North Bend. Permits presuming to give authority to violate or cancel the provisions of NBMC Title 15.02 or other ordinances of the City of North Bend shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the Building dept. from requiring the correction of errors in the construction documents and other data. The Building Official is also authorized to prevent occupancy or use of a structure wherein violation of NBMC Title 15.02 or of any other ordinances of the City of North Bend exist.

Registered Plan Templates:

I. ADD THIS ITEM TO THE COVERSHEET AND ALL PLAN SHEETS

Place this signature block near the right hand title block on each plan sheet.

REGISTERED PLAN PERMIT #: _____
REVIEWED BY: _____
APPROVAL DATE: _____